

Table of Contents (continued)**442 BVS5000 support after cardiac transplantation**

Jason A. Petrofski, MD, Vijay S. Patel, MD, Stuart D. Russell, MD, and Carmelo A. Milano, MD, Durham, NC

Heart transplant patients with either severe acute rejection with cardiogenic shock or primary graft failure were supported with the Abiomed BVS5000 assist device. Relative to nontransplant patients at our institution and recently published series of post-heart transplant patients, the transplant group experienced improved outcomes.

448 Phenoxybenzamine treatment is insufficient to prevent spasm in the radial artery: The effect of other vasodilators

Alan R. Conant, PhD, Michael J. Shackcloth, FRCS, Aung Y. Oo, FRCS (CTh), Michael R. Chester, MRCP, MD, Alec W. M. Simpson, DPhil, and Walid C. Dihmis, FRCS (CTh), Liverpool, United Kingdom

Phenoxybenzamine treatment eliminates the response to noradrenaline in human radial arteries, but other circulating vasoconstrictors may still present a significant problem. Glyceryl trinitrate or papaverine treatment minimizes contraction to vasopressin, angiotensin II, endothelin-1, or KCl in these arteries and could be used in conjunction with phenoxybenzamine to prevent spasm.

455 Canine endothelial progenitor cell-lined hybrid vascular graft with nonthrombogenic potential

Hongbing He, MD, Toshihiko Shiota, MD, Hisataka Yasui, MD, PhD, and Takehisa Matsuda, PhD, Fukuoka and Osaka, Japan

Canine autologous endothelial progenitor cells (EPCs) circulating in peripheral blood were isolated and expanded ex vivo. Small-diameter (inner diameter, 5 mm) hybrid vascular grafts composed of EPC lining on collagen fiber mesh, which is wrapped with segmented polyurethane film with multiple micropores implanted in carotid arteries, exhibited nonthrombogenic potential.

Evolving Technology (ET)**465 Totally endoscopic atrial septal repair in adults with computer-enhanced telemanipulation**

Gerhard Wimmer-Greinecker, MD, PhD, Selami Dogan, MD, Tayfun Aybek, MD, Mohammad Fawad Khan, MD, Stephan Mierdl, MD, Christian Byhahn, MD, and Anton Moritz, MD, PhD, Frankfurt, Germany

The recent clinical introduction of robotically assisted surgery reduced skin incisions and enabled totally endoscopic procedures through ports. This article reports on a first series of ASD closures of which the first case was operated on August 24, 1999, in a totally endoscopic closed chest technique with a computer-enhanced telemanipulation system.

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